

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

December 9, 1985

Operator: Chace Oil & Gas

Jicarilla #47-18
Section 11, Township 23N, Range 4W
Rio Arriba County, New Mexico

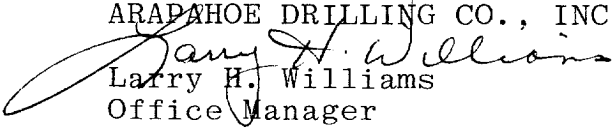
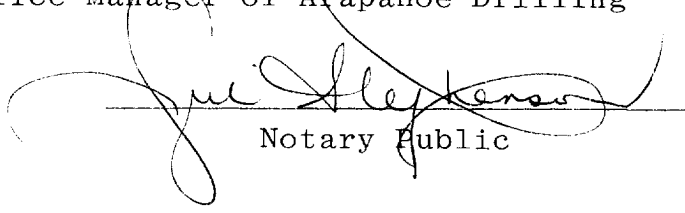
RECEIVED

DEC 13 1985

OIL CON. DIV.
DIST. 3DEVIATION RECORD

<u>DATE</u>	<u>DEPTH</u>	<u>DEVIATION</u>
11-9-85	210'	1/4°
11-10-85	724'	1/2°
11-11-85	2265'	1°
"	2657'	1 1/2°
11-13-85	3716'	1°
"	4269'	1/4°
11-14-85	4794'	1/2°
11-15-85	5348'	1/2°
11-16-85	5926'	1°
11-17-85	6484'	1 1/2°
11-18-85	6983'	1 1/4°
11-19-85	7283'	1°
11-20-85	7565'	3/4°

ARAPAHOE DRILLING CO., INC.


Larry H. Williams
Office ManagerSTATE OF NEW MEXICO
COUNTY OF BERNALILLOSubscribed and sworn to before me, a Notary Public,
this 9 day of December, 1985, by Larry H.
Williams, Office Manager of Arapahoe Drilling
Co., Inc.
Notary Public

Commission expires: 10-28-88